

- (a) selecting an acid for use in an acid bath solution as a function of a type of a resinous residue found on the resinous fibrous product;
- (b) inserting the resinous fibrous product into a washer/extractor machine, wherein said resinous fibrous product comprises a form including a strand form and a mat form;
- (c) while said resinous fibrous product is in said machine, performing the steps of:
- (i) introducing said resinous fibrous product to said acid bath solution heated to approximately 200 degrees Fahrenheit for a period of time sufficient to substantially remove said resinous residue from a fiber portion of the resinous fibrous product;
 - (ii) removing said acid bath solution and said resinous residue from said washer/extractor machine;
 - (iii) rinsing said fiber portion to remove any residual acid bath solution and resinous residue;
- (d) removing said fiber portion from said washer/extractor machine; and
- (e) dewatering said fiber portion.

12. (Amended) The method of claim 11, wherein the step of forming said slurry comprises the step of forming a slurry within said washer/extractor machine, said slurry comprising said fibers and a binder.

13. (Amended) A method for recovering a resinous residue from a resinous fibrous product that may be further processed into a usable nitrogen product comprising the steps of:

selecting an acid for use in an acid bath solution as a function of a type of the resinous residue found on the resinous fibrous product;

inserting the resinous fibrous product within a washer/extractor machine, wherein the resinous fibrous product is in the form of a plurality of strands or in the form of a mat;

introducing said resinous fibrous product to said acid bath solution heated to approximately 200 degrees Fahrenheit for a period of time sufficient to substantially remove the resinous residue from a fibrous portion of the resinous fibrous product;

removing said acid bath solution and the resinous residue from said washer/extractor machine;

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introducing said acid bath solution and the resinous residue into a cooling line to precipitate the resinous residue; and

removing the precipitated resinous residue from said acid bath solution using a clarifier.

18. (Amended) A method for reclaiming fibrous and a resinous residue from a resinous fibrous product in the form of a strand or a mat comprising the steps of:

selecting an acid for use in an acid bath solution as a function of a type of the resinous residue found on the resinous fibrous product;

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inserting the resinous fibrous product within a washer/extractor machine;

introducing said resinous fibrous product to said acid bath solution heated to approximately 200 degrees Fahrenheit for a period of time sufficient to substantially remove the resinous residue from a fibrous portion of the resinous fibrous product;

removing said acid bath solution and said resinous residue from said washer/extractor machine;

rinsing said fibrous portion to remove any residual acid bath solution and resinous residue;

removing said fibrous portion from said washer/extractor machine;

dewatering said fibrous portion;
introducing said acid bath solution and said resinous residue
into a cooling line to precipitate said resinous residue; and
removing said precipitated resinous residue from said acid
bath solution using a clarifier.

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